

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/731,596	09/731,596 12/06/2000		Margaret S. Fyfield	00-103	9586	
24319	7590	12/14/2004		EXAMINER		
LSI LOGIC			HUYNH, YENNHU B			
MS: D-106				ART UNIT	PAPER NUMBER	
MILPITAS CA 95035				2813		

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09731,596 FYFIELD, MARGARET S. Examiner Venniu B. Huynh 2813 ASHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILLING DATE of THIS communication appears on the cover sheet with the correspondence address → Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILLING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the periodics of 37 CRF 1.13(d), it no event, however, may a rably be timely filled with Skip MoNTHs from the mailling date of this communication. - Fallus to sky which the side or selected period for rely by staticul, cause the distallury invitation of the 100 dates of this communication. - Fallus to sky which he side or selected period for rely by staticul, cause the distallury invitation of the 100 dates of this communication. - Fallus to sky which he side or selected period for rely by staticul, cause the distallury environment the 100 dates of this communication, even if timely field, may reduce the selected period period in the 100 dates of the communication, even if timely field may reduce the selected period period in the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication, even if timely field may reduce the 100 dates of the communication of the 100 dates of the communication, even if timely field even in 100 dates of the second of the second of the 100 dates of the 100 dates of the 100 dates of the				4						
## Examiner ## Vennhu B. Huynh ## 2813 ## The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. ## A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. ## In the period reply specified about is less than thrifty (days, a reply whethe the action of the period of the period is less than thrifty (days, a reply whethe the action of the period of the p		Application No.	Applicant(s)							
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. THE MAILING DATE OF THIS COMMUNICATION. THE MAILING DATE OF THIS COMMUNICATION. I the period for reply specified above is less than thirty (30) days, all specy within the statutory millimum of thirty (30) days will be considered timely. I the period for reply specified above is less than thirty (30) days, all specy within the statutory millimum of thirty (30) days will be considered timely. I the period for reply specified above is less than thirty (30) days, all specy within the statutory millimum of thirty (30) days will be considered timely. I the period for reply specified above is less than thirty (30) days, all specy within the statutory millimum of thirty (30) days will be considered period for reply specified period in the property will be stated cannot be application to be organized. I this period for reply specified above is less than thirty (30) days, all specified above the specified in the specified above is described by the state of the specified above the specified above is less than thirty (30) days, all specified above the specified ab		09/731,596	FYFIELD, MARGA	ARET S.						
- The MALING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Elements of the may be a smalled under the provisions of 3 CPER 1.13(d). In or event, however, may a reply be timely filled by the period for reply specified above is less than thisy (30) days, a reply within the solidary minimum of thinty (30) days will be considered treely. If the period for reply specified above is less than thisy (30) days, a reply within the sature considered period in page 4 and 1 to 1 t	Office Action Summary	Examiner	Art Unit							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION. and SIX (9) MONTHS from the maling date of this communication. If the period from phy apecified schools, the maintained with the disturbing period in the period of the pe		Yennhu B. Huynh	2813							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of mem may be available under the provision of 3° CFR 1.35(d). In no event, however, may a reply be timely filed Extension of the provision of the provision of 3° CFR 1.35(d). In no event, however, may a reply be timely filed If the period for reply a specified above is less than thirty (30) days, a reply whith the statulory minimum of their (20) days will be considered timely. If the period for reply a specified above is less than thirty (30) days, a reply whith the statulory minimum of their (20) days will be considered timely. If the period for reply a specified above is less than thirty (30) days, a reply whith the statulory minimum of their provision of the provision of the period of their provision of the provision of the period of their communication. Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any sense of period of the communication is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merrits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 5:15 is/are pending in the application. 4) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5) Claim(s) is/are rejected. 7) Claim(s) is/are rejected. 7) Claim(s) is/are rejected. 2) Claim(s) is/are rejected. 10) The drawing(s) filed on is/are objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 10) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 3) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 3) Acknowledgment is		opears on the cover shee	t with the correspondence ac	dress						
2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5 Claim(s)	A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a re If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).		by a reply be timely filed If thirty (30) days will be considered time MONTHS from the mailing date of this one ABANDONED (35 U.S.C. § 133).							
3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4	1) Responsive to communication(s) filed on 19.	July 2004.								
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are rejected to . 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abbyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. Attachment(e) 1) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure of Informal Patent Application (PTO-152) 6) Notice of Informal Patent Application (PTO-152) 6) Other:	2a) This action is FINAL . 2b) ⊠ Th	is action is non-final.								
Al) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) 5-7 and 11-13 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some of he priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Traftsperson's Patent Drawing Review (PTO-948) 3) Information Diacdosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152) 6) Other:	, —	•	·	e merits is						
4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5) Claim(s)	closed in accordance with the practice under	Ex parte Quayle, 1935	C.D. 11, 453 O.G. 213.							
4a) Of the above claim(s) 16-20 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) ☒ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in his National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) □ Other: 5) □ Other:	Disposition of Claims									
5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☒ Claim(s) is/are rejected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☒ Notice of References Cited (PTO-892)	· · · · · · · · · · · · · · · · · · ·									
6) Claim(s) is/are rejected. 7) Claim(s) is/are rejected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Shotice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date										
T) Claim(s) 5-7 and 11-13 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-152) 8) Other:	<u> </u>									
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	·									
Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☑ Notice of References Cited (PTO-892) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application (PTO-152) 6) ☐ Other:		or election requirement.								
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received. 2 ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 20 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 30 ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application (PTO-152) 6) ☐ Other:		•								
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received. 2 ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 20 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 30 ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application (PTO-152) 6) ☐ Other:	9) The specification is objected to by the Examin	ner.								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some column None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:	·— · · · · · · · · · · · · · · · · · ·	,— · · ·								
11) The oath or declaration-is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:										
Priority under 35 U.S.C. § 119 12	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6) Other:	11) The oath or declaration-is objected to by the E	Examiner. Note the attac	ched Office Action or form P	TO-152.						
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) Notice of References Cited (PTO-892)	Priority under 35 U.S.C. § 119									
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:	 a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:	_ ` ` `									
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:										
	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/06	8) 5) 🔲 Notice	of Informal Patent Application (PT	O-152)						

DETAILED ACTION

This Office Action is in response to the Amendment filed on 7/19/04.

Election/Restrictions

Applicant's election without traverse of claims 1-15 in Paper filed on 1/20/04 is acknowledged.

Claims 16-20 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected claims, there being no allowable generic or linking claim. Election was made without traverse in Paper filed on 1/20/04.

Information Disclosure Statement

The information disclosure statement is being considered by the examiner.

Oath/Declaration

Oath/Declaration filed on 12/6/00 is accepted.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

Application/Control Number: 09/731,596

Art Unit: 2813

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 8-10, 14 & 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Kitahata (US 6,686,753).

Kitahata disclose prober and apparatus for semiconductor chip, which includes:

-Re. claim 1: a semiconductor wafer 4, onto a probe fixture 10; retaining the wafer to the probe fixture in a position in which the front side of the wafer is initially facing up (fig.4 col. 6 lines 54-60; col. 7 lines 11-16, and col. 8 lines); extending a probe tip from the probe fixture into contact with a contact point of the IC, while the wafer is initially face up (fig. 6A, col.8 lines 11-13 and fig. 7 col. 8 lines 41-48); optically 11 (fig. 6A) examining the IC while the wafer is retained in the probe device (col. 7 lines 42-45).

<u>-Re. claims 2 & 4</u>: Kitahata also disclose probe tip extends into contact with a contact point of the IC to cause the back side of the wafer to face upward by face down the plate 7 of the probe fixture (fig. 6B), and viewing the back side of the wafer while optically examining the IC by the optical system, and retain the wafer in a recess of the probe fixture initially and after turning over the probe fixture (fig. 6B)

<u>-Re. claim 3:</u> electrically input probe to supply power to the probe before turning the probe fixture over (col.8 lines 18-22).

<u>-Re. claim 8:</u> supporting 7a for the entire probe above the wafer when the probe tip extends into contact with the IC (fig. 4 col. 6 & 7 lines 64-5).

Application/Control Number: 09/731,596

Art Unit: 2813

<u>-Re.claim 9:</u> connecting the probe to a probe adjustment device 3, and supporting the adjustment device 2 above the wafer 1 (fig. 6A).

<u>-Re. claim 10:</u> adjusting the position of the probe tip 6 on the contact surface 4 of the IC by manipulating the position adjustment device screw 5a while the position adjustment device is supported above the wafer 1 (col. 8 lines 9-13 fig. 6A).

<u>-Re. claim 14:</u> optically examining the IC on the wafer using a photoemission detection microscope (col. 1 lines 1-23 or col. 8 lines 6-8).

<u>-Re. claim 15:</u> placing the probe fixture a platen 5 of a test station and retain the probe fixture to the platen (fig. 6A).

Allowable Subject Matter

Claims 5-7 & 11-13 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance: Prior art do not disclose or suggest a method for probing a semiconductor wafer, which include applying one of reduced pressure or vacuum to wafer to retain the wafer in the recess or its position (cl.5); retaining peripheral edges of the wafer on a supporting surface, and applying the one of the reduced pressure or vacuum to the peripheral edges of the wafer through holes in supporting surface (cl.6); communicating the vacuum through the probe fixture to the holes in the supporting surface (cl.7); extending a rail across and above the wafer retained in the probe fixture, and supporting the entire probe from the

rail above the wafer (cl.11); adjusting the position of the probe tip relative to the wafer by moving the entire probe along the trail (cl.12); connecting a pair or second parallel rails to the probe fixture to extend on opposite sides of the recess and generally transverse to the rail first aforesaid; movably connecting the first rail to the pair of the second rails; and moving the first rail along the pair of second rails to position the entire probe above the wafer (cl.13).

The above limitations for claims 5-7 & 11-13 are neither anticipated nor rendered obvious over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection, with Kitahata (US 6,686,753B1).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yennhu B Huynh whose telephone number is 571-272-1692. The examiner can normally be reached on 8.30AM-7.00PM.

Application/Control Number: 09/731,596

Art Unit: 2813

Page 6

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on 571-272-1702. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-7724.

YNBH, 110804

CARL WHITEHEAD, JR. SUPPERVISORY PATENT EXAMINI

TECHNOLOGY CENTER 2800